INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/000216

CLASSIFICATION OF SUBJECT MATTER

IPC7 B01D 63/04, C02F 1/44

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC7 B01D 63/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) eKIPASS(KPA, PAJ, FPD, USPATFULL) in KIPO

DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5944997 (Zenon Environmental Inc.) 31 August 1999 see Figure 2 & 4, Column 7 line 36 ~ line 48	1~4,9
Y	US 5248424 (Zenon Environmental Inc.) 28 September 1993 see Figure 9 & 10, Column 23 line 1 ~ line 62	1~4, 9
Y	JP 05123543 (Kubota Corp.) 21 May 1993 see whole document	10, 11
Y	US 2002/0153299 (Zenon Environmental Inc.) 24 October 2002 see Figure 7A, 7B, 10, 11, page 11 [0112] ~ [0113], page 13 [0131] ~ page 15 [0143]	10, 11
Α	JP 07275665 (Mithsubishi Rayon Co. Ltd.) 24 October 1995 see whole document	1~9
Α	JP 05285349 (Nitto Denko Corp.) 02 November 1993 see whole document	10, 11

X Further documents are listed in the continuation of Box C.	X See patent family annex.
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
Date of the actual completion of the international search 29 JULY 2004 (29.07.2004)	Date of mailing of the international search report 30 JULY 2004 (30.07.2004)
Name and mailing address of the ISA/KR Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea	Authorized officer KANG, SANG YOON

Facsimile No. 82-42-472-7140

INTERNATIONAL SEARCH REPORT

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PCT/KR2004/000216

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
A	US 5783983 (Zenon Environmental Inc.) 21 July 1998 see Figure 9, Column 16 line 37 ~ Column 17 line 5	10, 11				
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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